

# POWER COMMANDER 6

Installation Guide for: PC6-16050

Model Coverage: 2014-2017 Honda CRF250R

## PARTS LIST



- |                      |                          |
|----------------------|--------------------------|
| 1 POWER COMMANDER 6  | 2 POWER COMMANDER DECALS |
| 1 INSTALLATION GUIDE | 2 VELCRO STRIPS          |
| 1 USB CABLE          | 1 ALCOHOL SWAB           |
| 2 DYNOJET DECALS     |                          |

**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.  
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-16050.01



# INPUT ACCESSORY GUIDE



## OPTIONAL ACCESSORY INPUTS

- Map** (Input 1 or 2) The PC6 has the ability to hold 2 different base maps. You can switch on the fly between these two base maps when you hook up a switch to the MAP inputs. You can use any open/close type switch. The polarity of the wires is not important.
- Shifter** (Input 1 or 2) Used for clutch-less full throttle upshifts. Insert the wires from the Dynojet quick shifter into either Input 1 or Input 2. The polarity of the wires is not important. Set to Input 2 by default.
- Speed** If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent kill times when using a quick shifter.
- Analog** This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the Power Core software.
- Launch** You can connect a wire to either Input 1 or Input 2 and then the other end to a switch. This switch when engaged (continuity) will only allow the RPM to be raised to a certain limit (set in the software). When released, you will have full RPM.

## WIRE CONNECTIONS

To input wires into the PC6 first remove the rubber plug on the backside of the unit and loosen the screw for the corresponding input. Using a 22-24 gauge wire, strip about 10mm from its end. Push the wire into the hole of the PC6 until it stops and then tighten the screw. Make sure to reinstall the rubber plug.

NOTE: If you tin the wires with solder it will make inserting them easier.



# INSTALLING THE POWER COMMANDER 6



- 1 Remove the seat, the side covers under both sides of the seat, the radiator shrouds on both sides, and the fuel tank.
- 2 Secure the PC6 to the rear fender just rear of the air box using the supplied Velcro.  
  
Be sure to clean both surfaces with the supplied alcohol swab prior to applying the Velcro.
- 3 Route the PC6 wiring harness down the left frame rail towards the engine.

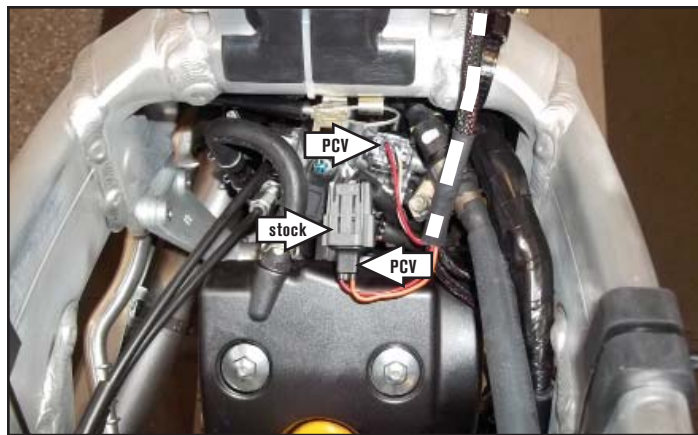


- 4 Remove the left engine mount on the left side of the cylinder head to aid in routing of the harness to the TPS and Crank Position Sensor.



- 5 Unplug the stock Fuel Injector at the top of the throttle body.

- 6 Plug the pair of PC6 leads with ORANGE colored wires in-line of the Fuel Injector and the stock wiring harness.

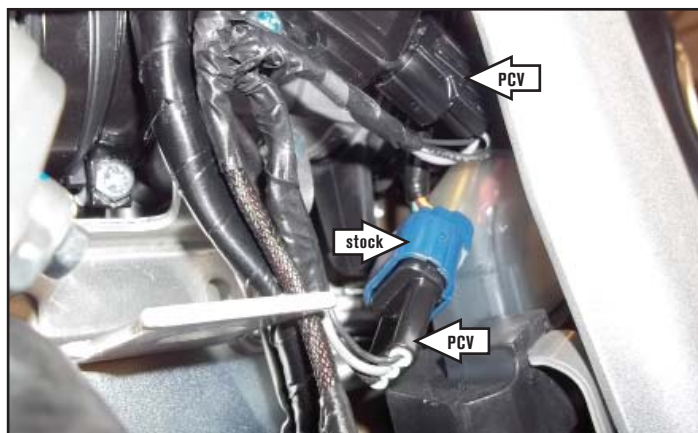


- 7 Unplug the stock wiring harness from the Throttle Position Sensor on the left side of the throttle body.

This is a BLUE 3-pin connector. It is located on the left side of the throttle body just to the inside of the frame.



- 8 Plug the PC6 wiring harness in-line of the TPS and the stock wiring harness.



- 9 Locate and unplug the stock connectors from the bike's Crank Position Sensor.

This is a pair of BLACK 6-pin connectors inside of a BLACK rubber boot just above the center of the crankcase.



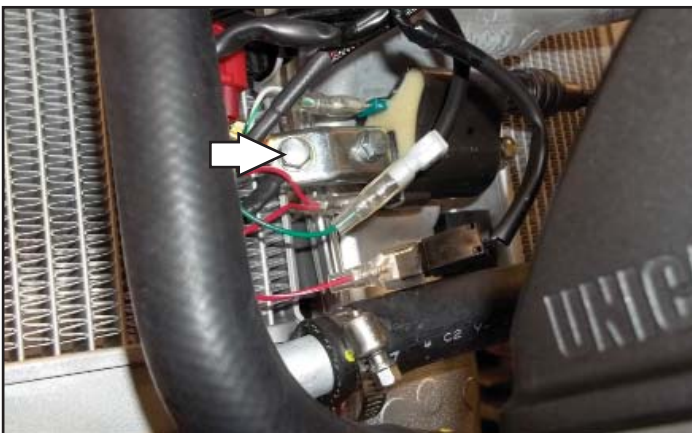




- 10 Plug the PC6 wiring harness in-line of the stock Crank Position Sensor connectors.



- 11 Unplug both of the stock coil wires.



- 12 Plug the pair of RED/WHITE wires of the PC6 in-line of the coil and the stock BLACK wire.
- 13 Plug the GREEN and WHITE/GREEN wires of the PC6 in-line of the coil and the stock YELLOW/BBLUE wire.
- 14 Secure the PC6 ground wire with the small ring lug to the coil mounting bolt.
- 15 Reinstall the fuel tank, seat, engine mount, and body work.

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THE  
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